

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S4	15619	(katsuyoshi hiraki.in.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/19 14:16
S5	38	(katsuyoshi and hiraki.in.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/19 17:27
S6	837004	(improv\$4 and response) and (time or speed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/19 17:41
S7	1902	(345/98).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/26 17:47
S8	0	("001and2").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/19 17:30
S9	510	S6 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/19 17:31
S10	49372	Error and diffusion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/19 17:31
S11	14	S9 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/19 17:32
S12	837004	(improv\$4 and response) and (time or speed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:41
S13	30321	(improv\$4 with response) with (time or speed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 09:01

## EAST Search History

S14	55	S7 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:02
S15	243	luminance near tone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:03
S16	1	S14 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:04
S17	16	S13 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 08:57
S19	34403	data near correction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 09:00
S20	6829	(improv\$4 adj response) near (time or speed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 09:02
S21	69	S19 S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 09:02
S22	69	S19 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 09:24
S30	45	"0038372"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 09:35
S31	2	"20010038372".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 09:48

## EAST Search History

S32	2	"20020057249".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 09:49
S33	2	"20020140652".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 09:53
S34	10910	data adj1 driver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 14:41
S35	10910	data adj driver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 14:41
S36	111597	data with driver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 14:42
S37	166862	data same driver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 14:42
S38	10910	"data driver"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 14:44
S39	34429	data near correction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/21 14:44
S40	259	S38 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 14:45
S41	6832	(improv\$4 adj response) near (time or speed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/21 14:45

## EAST Search History

S42	5	S40 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 15:50
S43	2	"20040189580"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 17:27
S44	361	maximum adj tone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 17:30
S45	30339	(improv\$4 with response) with (time or speed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/22 17:30
S46	13	S44 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 15:44
S47	34453	data near correction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 15:46
S48	33594	(improv\$4 or ("high speed")) near response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 15:48
S49	247	S47 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 15:49
S50	127141	luminance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 15:49
S51	56	S49 and S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 15:49

## EAST Search History

S57	1749173	error diffusion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:49
S58	6837	error near diffusion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:50
S59	84100	"345"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:51
S60	785	S58 and S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:51
S61	0	data near dirver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:52
S62	15023	data near driver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:52
S63	142	S60 and S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:52
S64	62	responce near speed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:53
S65	60135	response near speed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:53
S66	18	S63 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 18:24

## EAST Search History

S67	509292	(temperature or thermal) near5 (measur\$5 or sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 18:26
S68	28	S60 and S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 18:26
S69	0	("2006/0152463").URPN.	USPAT	OR	ON	2007/04/26 17:44
S70	135	overdrive same (luminance or tone or grayscale)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 18:29
S71	84410	"345"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 17:47
S72	28	S70 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 18:05
S73	2473	maximum near3 (tone or grayscale)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 18:24
S74	156	S73 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 18:07
S75	1	S70 same S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 18:25
S76	4	S70 and S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 18:25
S77	65	overdrive with (luminance or tone or grayscale)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 18:29

## EAST Search History

S78	181	(("20010035853"   "20010038736"   "20020057253"   "20020063963"   "20020105709"   "20020135553"   "20020159002"   "20020159692"   "20020171617"   "20030048393"   "20030090455"   "20030107538"   "20030132905"   "20040057017"   "20040263450"   "3329474"   "3375052"   "3428743"   "3439348"   "3499700"   "3503670"   "3554632"   "3947227"   "4012116"   "4110794"   "4170771"   "4385806"   "4410238"   "4441791"   "4516837"   "4540243"   "4562433"   "4574364"   "4611889"   "4648691"   "4649425"   "4682270"   "4715010"   "4719507"   "4755038"   "4758818"   "4766430"   "4834500"   "4862496"   "4885783"   "4888690"   "4910413"   "4917452"   "4933754"   "4954789"   "4958915"   "4969717"   "4981838"   "4991924"   "5012274"   "5013140"   "5074647"   "5075789"   "5083199"   "5122791"   "5128782"   "5138449"   "5144292"   "5164829"   "5168183"   "5187603"   "5202897"   "5206633"   "5214758"   "5222209"   "5247366"   "5256676"   "5300942"   "5305146"   "5311217"   "5313225"   "5317400"   "5339382"   "5357369"   "5359345"   "5369266"   "5386253"   "5394195"   "5395755"   "5416496"   "5422680"   "5426312"   "5436755"   "5450498"   "5461397"   "5477274"   "5481637"   "5570210"   "5579134"   "5580791"   "5592193"   "5617112"   "5642015"   "5650880"   "5652672"   "5661839"   "5682075"   "5684354"   "5689283"   "5715347"   "5717422"   "5729242"   "5754159"   "5767837"   "5784181"   "5796382"   "5854662"   "5886681"   "5889567"   "5892325"   "5901266"   "5939830"   "5959777"   "5969704"   "5978142").PN. OR ("5986628"   "5995070"   "5999307"   "6024462"   "6025583"   "6043591"   "6050704"   "6064784"   "6079844"   "6111559"   "6111622"   "6120588"   "6120839"   "6129444"   "6160595"   "6172798"   "6215920"   "6243068"   "6267850"   "6268843"   "6276801"   "6300931"   "6300932"   "6304365"   "6323455"   "6323989"   "6327072"   "6359662"   "6377383"   "6384979"   "6414664"   "6418253"   "6428189"   "6437921"   "6439731"   "6448944"   "6448951"   "6448955"   "6452734"   "6483643"   "6559827"   "6574025"   "6590561"   "6657607"   "6680834"   "6791520"   "6803901"   "6816141"   "6828816"   "6885369"   "6891672"   "D381355"   "RE32521"   "RE37594").PN. OR ("7164284").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 18:33
S79	85	((maximum or high\$3) near (luminance))and ((low\$4 or minimum) near (tone))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:18
S80	1474	((maximum or high\$3) near (luminance))same(luminance or grayscale) same (correct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:23
S81	430	((maximum or high\$3) near (tone or level))same(luminance or grayscale) same (correct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:37
S82	84410	"345"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:24

## EAST Search History

S83	53	S81 and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:24
S84	1	((maximum or high\$3) near (tone or level)) same (luminance or grayscale) same (correct\$4) same (overshoot or overdrive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:39
S85	0	((maximum or highest) near tone) same ("data correct\$4") same (overdrive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:40
S86	0	((maximum or highest) near tone) same (correct\$4) same (overdrive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:41
S87	101	((maximum or highest) near tone) same (correct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:47
S88	8	S82 and S87	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:41
S89	0	((maximum or highest) near tone) same (correct\$4) and overdrive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:47
S90	27	((maximum or highest) near tone) with (correct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:53
S91	0	(higher near2 "maximum tone") with (correct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:55
S92	0	(higher with "maximum tone") with (correct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:55



## EAST Search History

S93	2	(higher with "maximum tone") same (correct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 20:58
S94	2	(higher with "maximum tone") same ("data driver")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:02
S95	0	(higher with "maximum tone") same (error near correction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:02
S96	0	(higher with "maximum tone") same (data near correction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:02
S97	1	(higher with "maximum tone") same (correction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:05
S98	0	((higher near output) with "maximum tone") same (correction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:05
S99	1	((higher near output) with "maximum tone")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:06
S10 0	62	((higher near output) with tone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:12
S10 1	1	overdrive same "dummy bit"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:15
S10 2	0	(maximum near tone) same "dummy bit"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:16

## EAST Search History

S10 3	0	(maximum near tone) same (correction near only)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:16
S10 4	84410	"345"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:18
S10 5	85	((maximum or high\$3) near (luminance))and ((low\$4 or minimum) near (tone))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:18
S10 6	30	S104 and S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:24
S10 7	0	(luminane near correction) same (highest near tone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:25
S10 8	0	(luminane near correction) and (highest near tone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:25
S10 9	0	(luminane near correction) and (maximum near tone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:26
S11 0	0	(luminane near correction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:26
S11 1	0	(luminane near4 correction) and (maximum near tone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:26
S11 2	0	(luminane same correction) and (maximum near tone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:26

## EAST Search History

S11 3	1	(luminane same correction) and (maximum same tone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:27
S11 4	4	(luminane same correction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:30
S11 5	174340	((improv\$4 or high\$3) near4 response)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:31
S11 6	20826	((image near data) with correction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:32
S11 7	592	S115 and S116	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:32
S11 8	71	S104 and S117	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/29 21:32
S11 9	1	("2002/0140652").URPN.	USPAT	OR	ON	2007/04/30 09:08
S12 5	668	sekiya.in.	USPAT	OR	ON	2007/10/16 18:29
S12 6	169829	"2003".ay.	USPAT	OR	ON	2007/10/16 18:30
S12 7	26	S125 and S126	USPAT	OR	ON	2007/10/16 18:33
S13 4	18	(maximum near (brightness or luminance or tone)) same (response near (speed or character))	US-PGPUB; USPAT	OR	ON	2007/10/17 18:20
S13 5	1	(maximum near (brightness or luminance or tone)) same (dummy near (data or bit))	US-PGPUB; USPAT	OR	ON	2007/10/17 18:21
S13 6	1	((maximum or minimum) near (brightness or luminance or tone)) same (dummy near (data or bit))	US-PGPUB; USPAT	OR	ON	2007/10/17 18:22
S13 7	45	((maximum or minimum) near (brightness or luminance or tone)) same (data near correct\$3)	US-PGPUB; USPAT	OR	ON	2007/10/17 18:41
S13 8	64	((maximum or minimum or "0" or "255") near (brightness or luminance or tone)) same (data near correct\$3)	US-PGPUB; USPAT	OR	ON	2007/10/17 18:54
S13 9	70394	"345"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/17 19:11
S14 0	15	S138 and S139	US-PGPUB; USPAT	OR	ON	2007/10/17 18:42
S14 1	1	("tone 0" or "tone 255") same (data near correct\$3) same response	US-PGPUB; USPAT	OR	ON	2007/10/17 18:55

## EAST Search History

S14 2	262	("0" or "255") same (data near correct\$3) same response	US-PGPUB; USPAT	OR	ON	2007/10/17 19:08
S14 3	7	S139 and S142	US-PGPUB; USPAT	OR	ON	2007/10/17 18:55
S14 4	161	(MSB or LSB) same (data near correct\$3)	US-PGPUB; USPAT	OR	ON	2007/10/17 19:00
S14 5	20	S139 and S144	US-PGPUB; USPAT	OR	ON	2007/10/17 19:00
S14 6	7283	("tone 0" or minimum or maximum or "tone 255") same correct\$3 same response	US-PGPUB; USPAT	OR	ON	2007/10/17 19:10
S14 7	129	S139 and S146	US-PGPUB; USPAT	OR	ON	2007/10/17 19:10
S14 8	5736	"345"/89-98.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/17 19:11
S14 9	23	S146 and S148	US-PGPUB; USPAT	OR	ON	2007/10/17 19:11